

PHILIP MORRIS USA  
RESEARCH AND DEVELOPMENT DEPARTMENT

INDONESIA TEST #38

AJ6-06JU  
AA6-06JU  
KF6-06JU

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DATE: December 7, 1976

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# INDONESIA TEST #38

The following cigarette brands from Indonesia (Malang) were received for testing on November 5, 1976. These cigarettes were of September, 1976 production.

Abdulla Special King Size 20's (Soft Pack)  
Abdulla King Size 20's (Box)  
Kingford King Size 20's (Soft Pack)

The Abdulla Special king size cigarettes were different from the previous average in nicotine and paper porosity. The nicotine returned to the level of test #32.

The Abdulla king size cigarettes were different from the previous average in total alkaloids and total reducing sugars.

The Kingford king size cigarettes were not different from the previous average in any of the characteristics tested.

	Abdulla Special King Size 20's (Soft Pack)		Abdulla King Size 20's (Box)		Kingford King Size 20's (Soft Pack)	
	Current	Prev. Avg.	Current	Prev. Avg.	Current	Prev. Avg.
<u>Smoke</u>						
Butt Length, mm	23	23	23	23	23	23
FTC Tar, mg/cigt.	25.4	25.92	23.8	24.6	25.2	25.0 <sup>1</sup>
TPM, mg/cigt.	29.5	30.72	28.0	28.7	29.5	29.5 <sup>1</sup>
Nicotine, mg/cigt.	1.03	1.18 <sup>2</sup>	1.05	1.06 <sup>3</sup>	1.10	1.04
Water, mg/cigt.	3.1	3.6	3.1	3.0	3.2	3.2
Puffs/cigt.	10.5	10.3	10.3	10.3	10.7	10.4
Filtration Eff., %	24	25	24	25	26	25
<u>Cigarette</u>						
Total RTD, in. of H <sub>2</sub> O	5.1	5.5	5.4	5.0 <sup>3</sup>	5.4	5.0 <sup>3</sup>
mm of H <sub>2</sub> O	130	140	137	127	137	127
Static Burn. Time, min.	8.4	8.7	8.0	8.6 <sup>3</sup>	8.6	8.7
Length, mm	83.7	83.8	84.0	84.0	83.9	83.9
Circumference, mm	24.6	24.5	24.5	24.5	24.5	24.6
Diameter, mm	7.8	7.8	7.8	7.8	7.8	7.8
<u>Paper</u>						
Porosity, sec.	72	54	60	53 <sup>1</sup>	67	53 <sup>1</sup>
<u>Filter</u>						
RTD, in. of H <sub>2</sub> O	0.9	1.0	0.9	1.0	1.0	1.0
mm of H <sub>2</sub> O	23	25	23	25	25	25
Length, mm	15.0	15.0	15.0	15.1	15.0	15.0
Weight, g	0.09	0.09	0.09	0.09	0.09	0.09
Tipping paper length, mm	18	18	19	19	18	18
<u>Filler</u>						
Total alkaloids, %	0.99	1.07	1.57	1.02 <sup>3</sup>	1.02	1.02
Total reducing sugars, %	3.4	3.6	6.1	5.5 <sup>3</sup>	5.9	3.0 <sup>3</sup>
Wt. of tob.,						
1,000 cigs., g	923	939	918	928	918	924
1,000 cigs., lbs.	2.0322	2.0674	2.0212	2.0445	2.0212	2.0344 <sup>1</sup>
Rod Density, g/cc	0.279	0.286	0.279	0.282	0.279	0.281 <sup>1</sup>
1C.V., cc/10 g	43	42	43	42	43	42
C.V., cc/10 g (Corrected to 121 O.V.)	43	40	43	41	43	41
1Oven Volatiles, %	11.8	11.5	12.0	11.6	11.9	11.6

<sup>1</sup>Equilibrated at 75°F and 60% R.H. for 48 hrs.

<sup>2</sup>Results of Test #35, dated September 17, 1976, where a change was noted.

<sup>3</sup>Results of Test #37, dated November 16, 1976, where a change was noted.

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